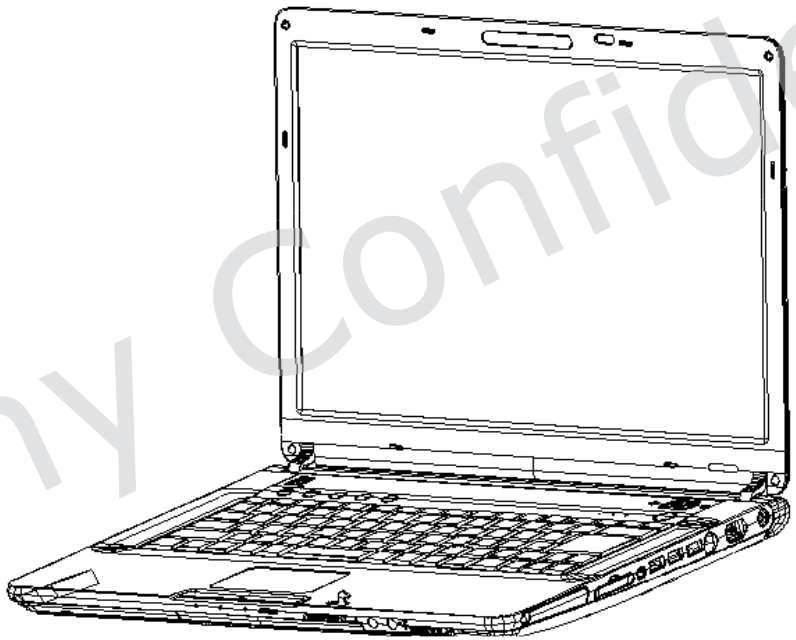
# SERVICE MANUAL

## Ver.5-2007C

Revision History

| | |
|---|---|
| **AM** | VGN-FS940 |
| | VGN-FS920 |
| | VGN-FS930F |
| **EU** | VGN-FS485B |



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VAIO

- Design and specifications are subject to change without notice.

**PERSONAL COMPUTER**

SONY

9-876-464-05

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All other names of systems, products and services in this manual are trademarks or registered trademarks of their respective owners. In this manual, the (TM) or (R) mark are not specified.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

# Service and Inspection Precautions

## 1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

## 2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the ⚠ mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

## 3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

## 4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

## 5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

## 6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**
**LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANSCE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.**

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History of the changes is shown as the "Revision History" at the end of this data.

# CHAPTER1. SPECIFICATIONS

## 1-1. Specifications

| | AM | | |
|---|---|---|---|
| | VGN-FS940 | VGN-FS920 | VGN-FS930F |
| CPU | Pentium-M 740(Do1.73) | Pentium-M 740(Do1.73) | Pentium-M 740(Do1.73) |
| Graphic | 915GM | 915GM | 915GM |
| LCD | 15.4"WXGA (High Brightness) | 15.4"WXGA (High Brightness) | 15.4"WXGA (High Brightness) |
| HDD | 100GB | 80GB | 80GB |
| MEMORY(Slot1) | 512MB DDR333 | 512MB DDR333 | 512MB DDR333 |
| MEMORY(Slot2) | - | - | - |
| QUANTITY[STANDARD/MAX] | 512MB/2GB | 512MB/2GB | 512MB/2GB |
| OPT-DRIVE | DVD+/-RW DL | DVD+/-RW DL | DVD+/-RW DL |
| AC adaptor | AC19V11 | AC19V11 | AC19V10 |
| Battery | BP2SA | BP2SA | BP2SA |
| Wireless LAN | O | O | O |
| Memory Card Adapter | X | X | X |
| USB FLOPPY DISK DRIVE | X | X | X |
| OS | XP Home | XP Home | XP Home |

| | EU |
|---|---|
| | VGN-FS485B |
| CPU | Pentium-M 740(Do1.73) |
| Graphic | 915GM |
| LCD | 15.4"WXGA (High Brightness) |
| HDD | 80GB |
| MEMORY(Slot1) | 512MB DDR333 |
| MEMORY(Slot2) | - |
| QUANTITY[STANDARD/MAX] | 512MB/2GB |
| OPT-DRIVE | DVD+/-RW DL |
| AC adaptor | AC19V11 |
| Battery | BP2SA |
| Wireless LAN | O |
| Memory Card Adapter | X |
| USB FLOPPY DISK DRIVE | X |
| OS | XP Home |

- The model that is accompanied by asterisk(*) is the CTO model. For the equipment configuration, refer to the CTO Information.
- The trademarks or registered trademarks of above ,refer to page2.



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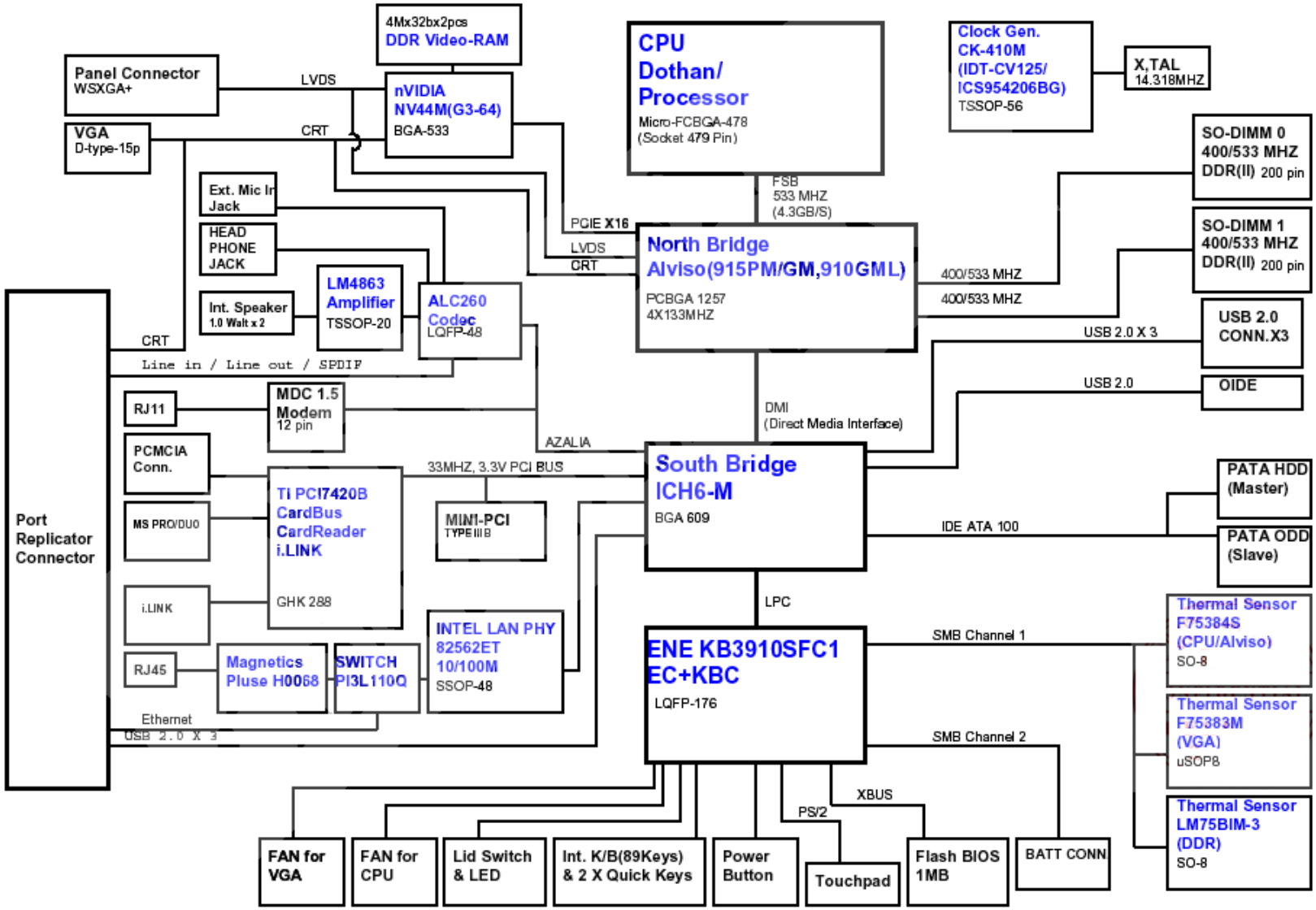
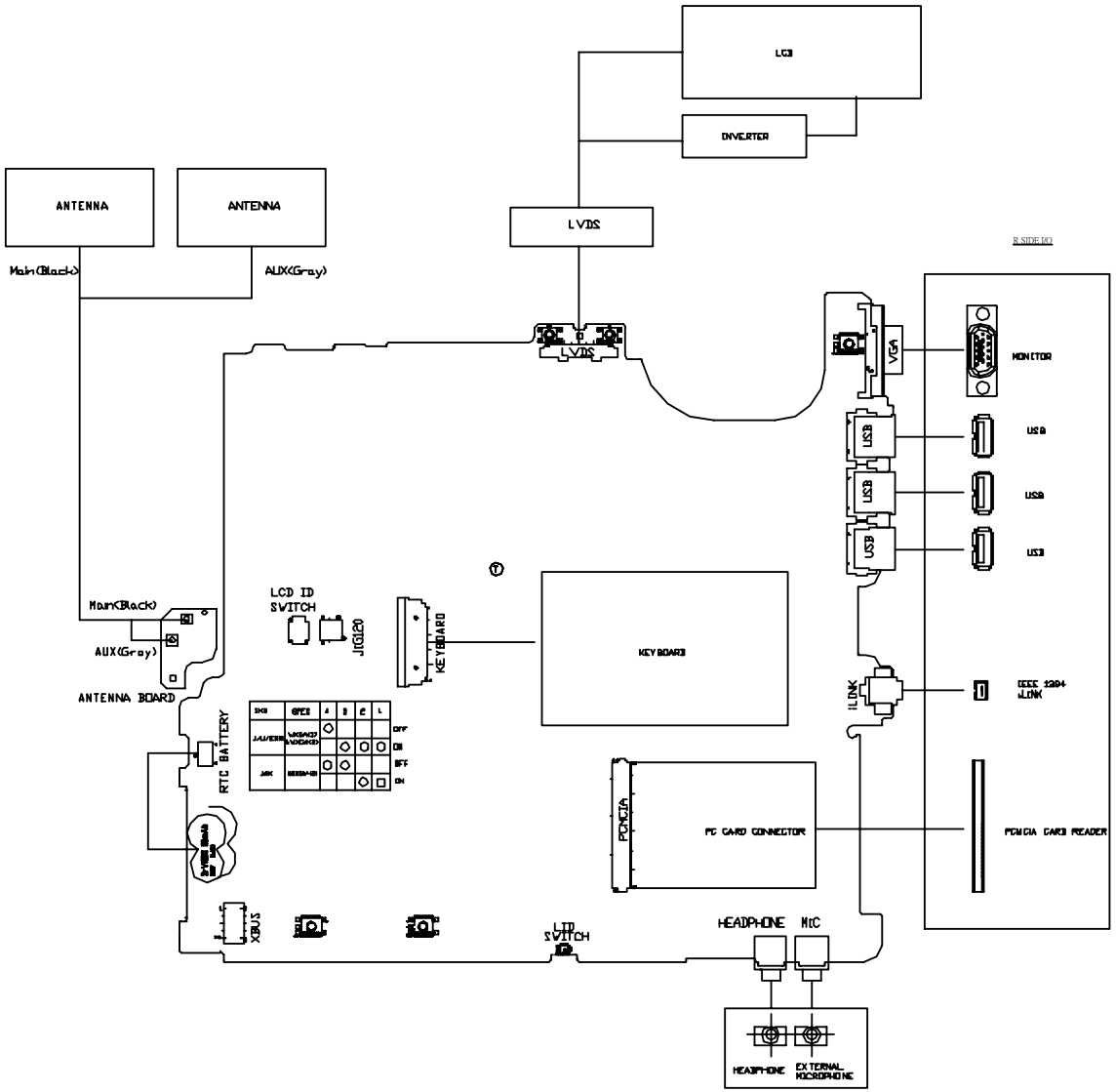
# CHAPTER2.
# BLOCK DIAGRAM

## 2-1.VGN-FS series



# CHAPTER3.
# FRAME HARNESS DIAGRAM

## 3-1 VGN-FS Series (TOP)



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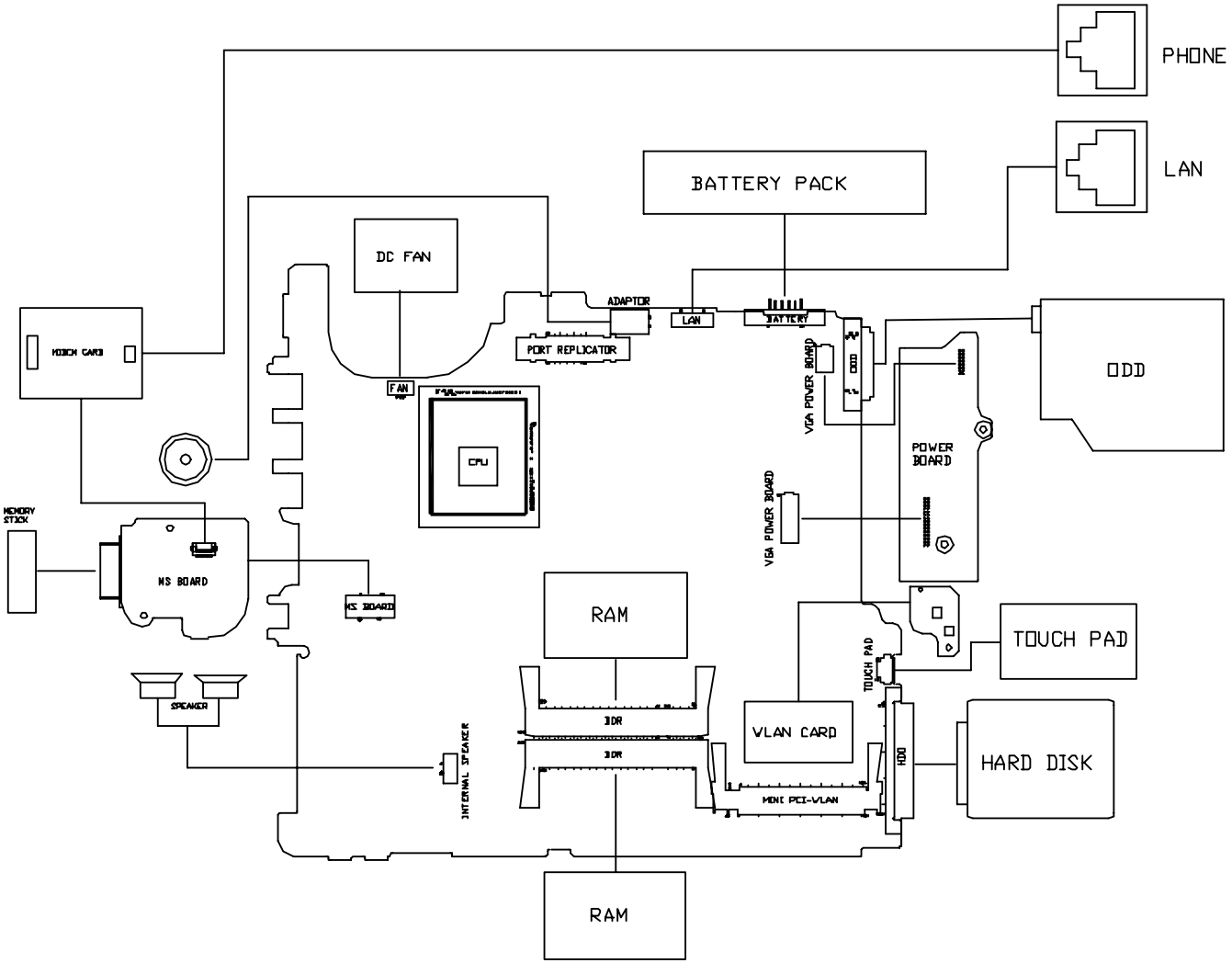
# 3-1 VGN-FS Series (BOTTOM)



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# CHAPTER 4
# EXPLODED VIEWS AND PARTS LIST

· The parts id compiled by blocks of a Palmrest and bottom etc.
The sections of the parts list are different depending on the model.
Please refer to list of contents shown in the below.

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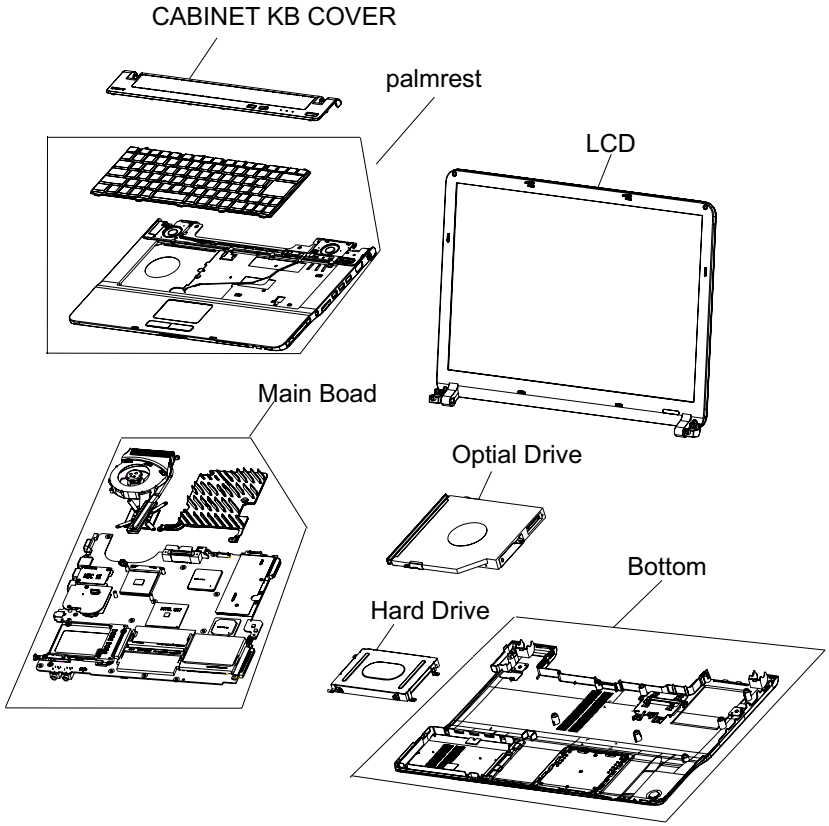


**NOTE:**
· The mechanical parts with no reference number in the exploded views are not supplied.
· When two or more parts are shown, use the part described first as the main part.
· The parts marked "&" are the "Customer Replacable Parts(CRP)" that can be replaced by Filed Customer Support. These parts can be sold. Especially the parts with the <&> mark require the special attention to use them. Be sure to confirm the targetted parts by referring to the exploded view.

| |
|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. |
| Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |



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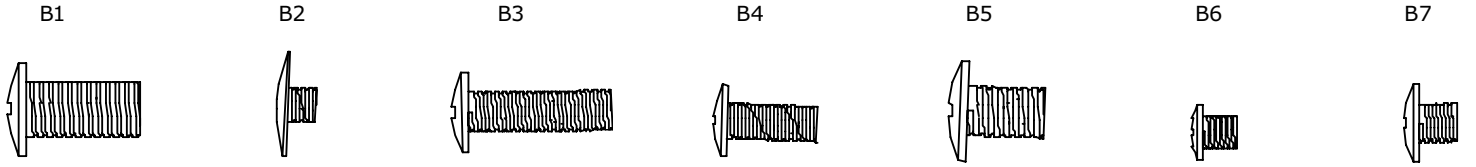
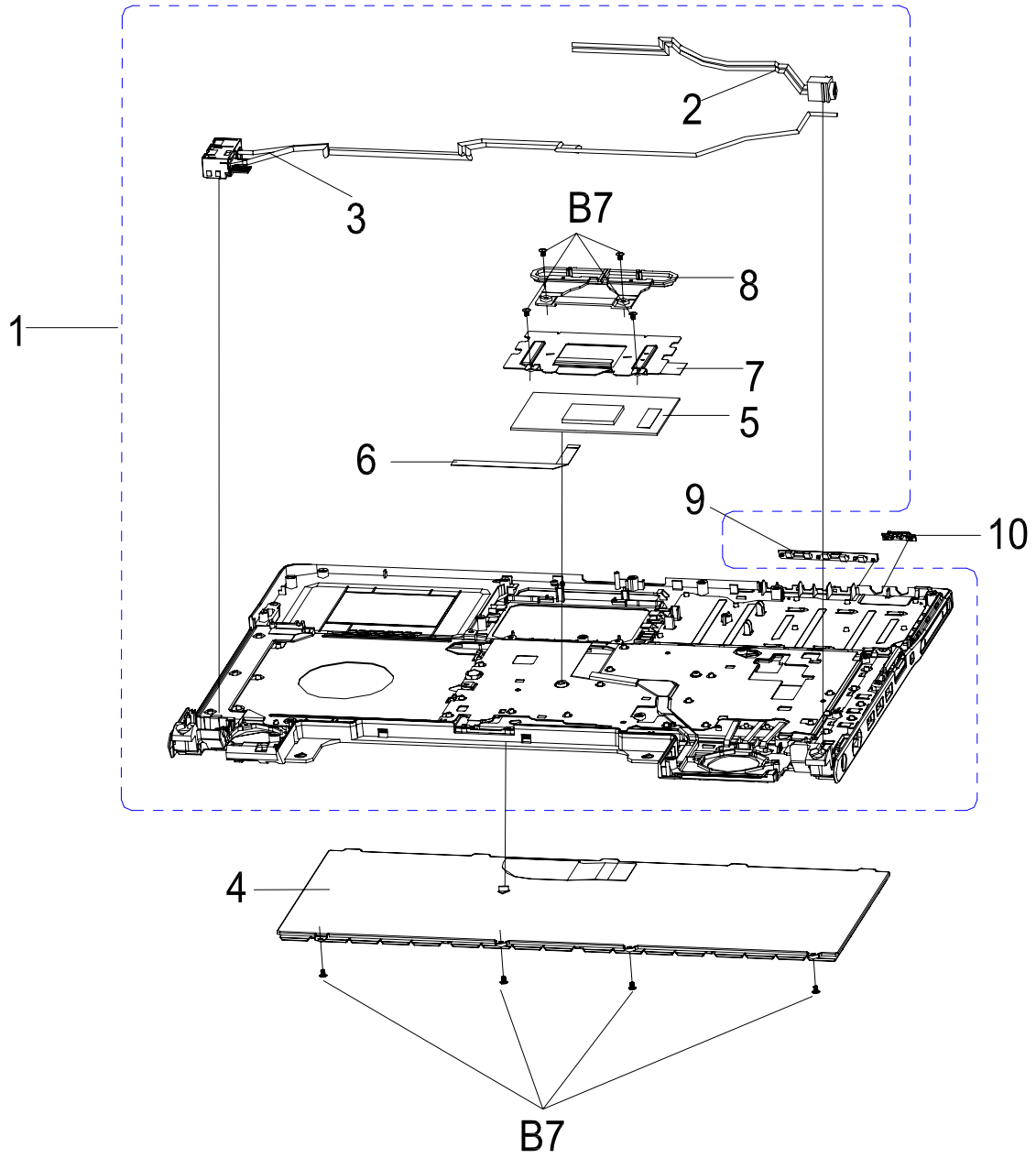
# S-1. SCREWS




| Ref.No. | Part No | Description |
|---|---|---|
| B1 | 4-654-811-01 | SCREW M3 |
| B2 | 2-582-816-01 | APPEARANCE SCREW M2 |
| B3 | 2-590-600-01 | SCREW (M2), EXTERIOR VIEW |
| B4 | 4-645-214-61 | GRIP, M2 |
| B5 | 4-673-018-02 | SCREW, SPECIAL HEAD |
| B6 | 4-671-538-01 | SCREW, SPECIAL HEAD |
| B7 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD, EG GRIP |

# P-1. Palmrest





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# P-1. Palmrest



| Ref.No. | Part No. | Description |
|---|---|---|
| 1 | A-1174-005A | MSS1 ASSY CABINET PALMREST (W) |
| 2 | 1-963-519-11 | MS01 CABLE DC IN |
| 3 | 1-963-520-41 | MS03 CABLE RJ COMBO (W) |
| 5 | 1-797-464-21 | TOUCH PAD |
| 6 | 1-830-442-31 | MS03 TOUCHPAD FFC |
| 7 | X-2067-819-1 | MS03 SUBASSY TOUCHPAD BRACKET |
| 8 | 2-582-765-01 | MS01 TOUCHPAD BUTTON FIN |
| 9 | 2-546-282-41 | MSS1 PALMREST LENS WLAN PR (W) |
| 10 | 2-546-281-11 | MS04 WLAN BUTTON |
| B7 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD, EG GRIP |

* :CTO Model

| | | | AM | | | EU |
|---|---|---|---|---|---|---|
| Ref.No. | Part No. | Description | FS940 | FS920 | FS930F | FS485B |
| 4 | 1-479-153-21 | KEYBOARD UNIT (US) | • | • | | |
| | 1-479-154-61 | KEYBOARD UNIT (PA) | | | • | |
| | 1-479-154-11 | KEYBOARD UNIT (UK) | | | | • |
| | 1-479-154-21 | KEYBOARD UNIT (GE) | | | | • |
| | 1-479-154-41 | KEYBOARD UNIT (FR) | | | | • |
| | 1-479-154-51 | KEYBOARD UNIT (IT) | | | | • |
| | 1-479-154-71 | KEYBOARD UNIT (ES) | | | | • |



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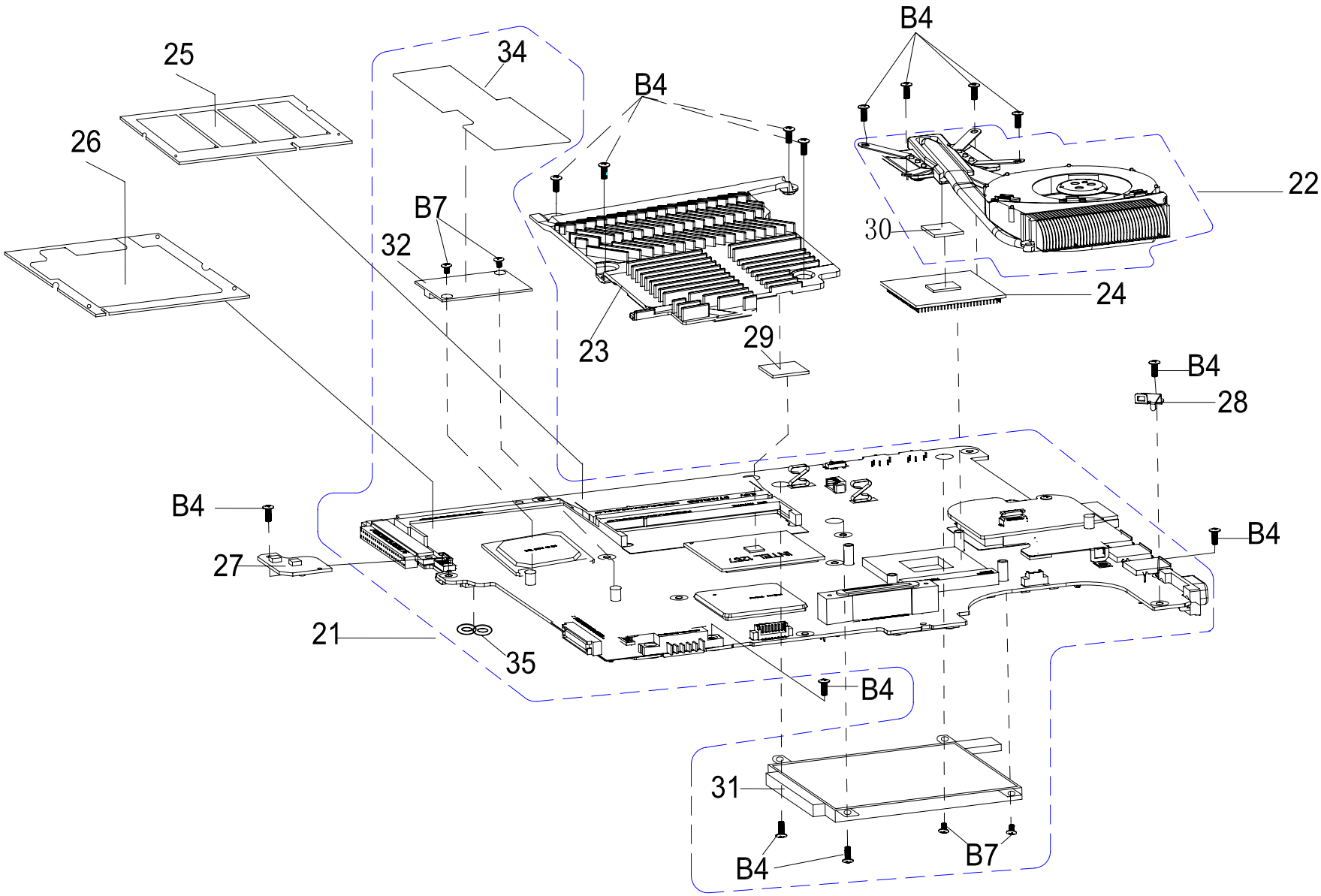
# M-1. Main Board





# M-1. Main Board



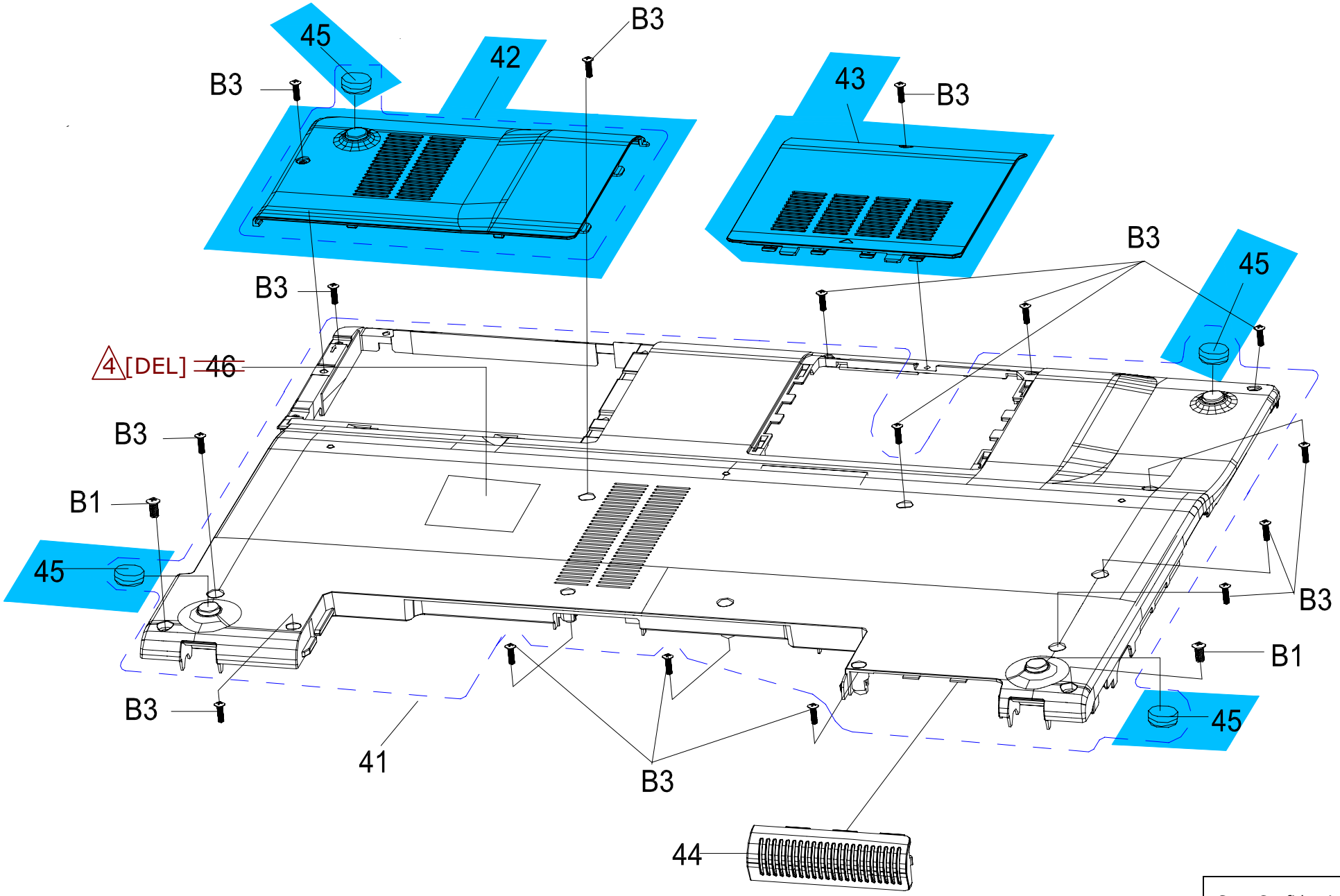
| | Ref.No. | Part No. | Description |
|---|---|---|---|
| ⚠1 [CHG] | 21 | A-1174-006-A | MSS1 PWA ALL(FOR MIDDLE) |
| | 22 | A-1093-218-A | MS01 ASSY THERMAL |
| | 23 | A-1139-737-A | MS03 THERMAL VGA |
| | 24 | 6-707-258-01 | CPU PM 1.73 |
| | 25 | 6-708-155-01 | RAM Infineon 512MB |
| | 27 | A-1117-455-A | MS02 PWA ANTENNA |
| | 28 | 2-546-280-01 | MS01 DC IN BRACKET |
| | 29 | 2-592-555-01 | MS01 NORTHBRIDGE THERMAL PAD |
| | 30 | 2-592-554-01 | THERMAL SHEET |
| | 31 | 1-819-779-31 | PCMCIA SOCKET |
| | 32 | 1-417-539-12 | MDC MODULE |
| | 34 | 2-672-581-01 | MS03 SHELTER INLET MB |
| | 35 | 1-756-666-11 | RTC BATTERY |
| | B4 | 4-645-214-61 | GRIP, M2 |
| | B7 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD, EG GRIP |

* : CTO Model

| | | | AM | | | EU |
|---|---|---|---|---|---|---|
| Ref.No. | Part No. | Description | FS940 | FS920 | FS930F | FS485B |
| 26 | 1-761-864-51 | WIRELESS LAN CARD b/g for US/LA/CA/Taiwan(Intel) | • | • | • | |
| | 1-761-864-71 | WIRELESS LAN CARD b/g for EU/GVD/CH(Intel) | | | | • |

# B-1.Bottom





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# B-1. Bottom



| Ref.No. | Part No. | | Description |
|---|---|---|---|
| 41 | X-2109-299-1 | | MSS1 ASSY CABINET BOTTOM |
| 42 | X-2050-587-2 | & | MS02 ASSY HDD DOOR |
| 43 | X-2050-582-2 | & | MS01 ASSY RAM DOOR |
| 44 | 2-546-276-01 | | MS01 COVER THERMAL OUTLET |
| 45 | 2-546-274-02 | & | MS01 RUBBER FOOT |
| B1 | 4-654-811-01 | | SCREW M3 |
| B3 | 2-590-600-01 | | SCREW (M2), EXTERIOR VIEW |

＊: CTO Model

| | Ref.No. | Part No. | Description | AM | | | EU |
|---|---|---|---|---|---|---|---|
| | | | | FS940 | FS920 | FS930F | FS485B |
| 4 [DEL] | ~~46~~ | ~~2-678-520-01~~ | ~~LABEL,MODEL NUMBER (U)~~ | ~~●~~ | ~~●~~ | | |
| 4 [DEL] | | ~~2-678-522-01~~ | ~~LABEL,MODEL NUMBER (LA)~~ | | | ~~●~~ | |
| 4 [DEL] | | ~~2-678-521-01~~ | ~~LABEL,MODEL NUMBER (E)~~ | | | | ~~●~~ |



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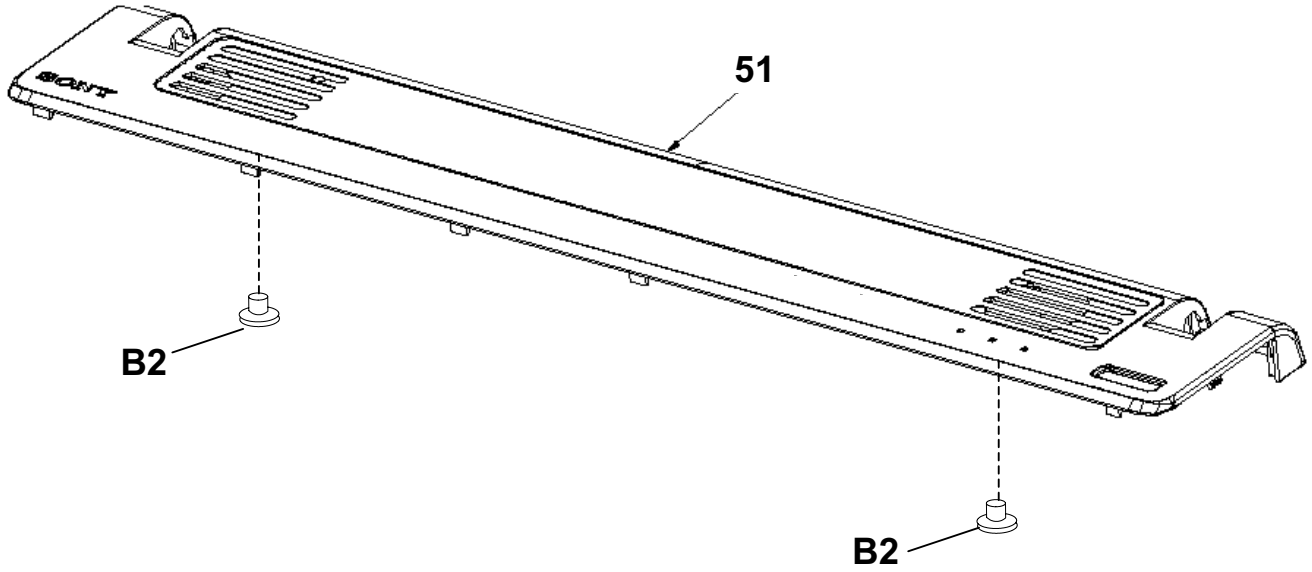
# C-1. CABINET KBCOVER

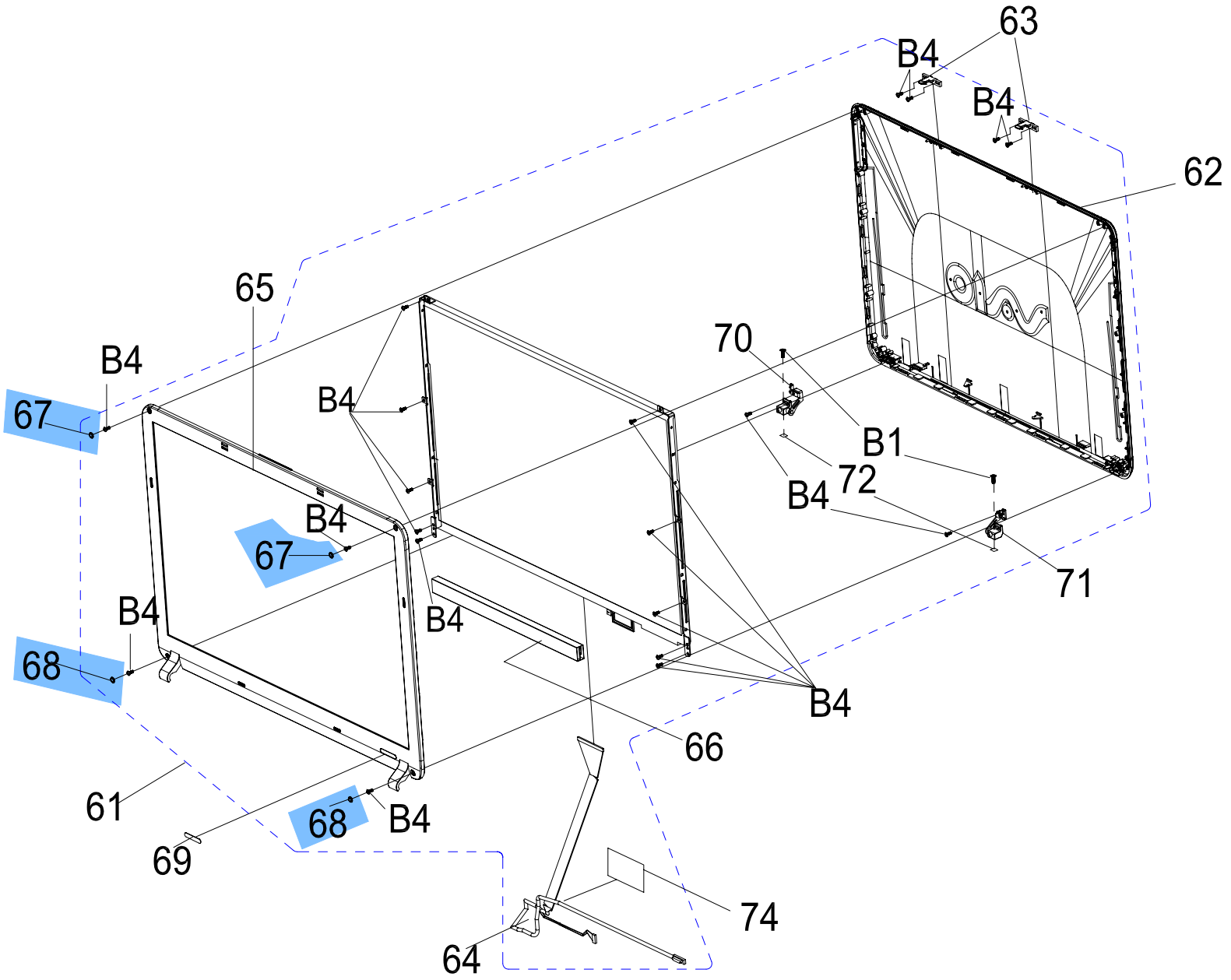





| Ref.No. | Part No. | Description |
|---|---|---|
| 51 | X-2109-300-1 | MSS1 ASSY CABINET KBCOVER |
| B2 | 2-582-816-01 | APPEARANCE SCREW M2 |

# L-1. LCD




63
B4
B4
62
65
B4
70
67
B4
B1
72
B4
B4
67
71
B4
B4
68
B4
66
61
68
B4
69
74
64

# L-1.LCD



| Ref.No. | Part No. | | Description |
|---|---|---|---|
| 62 | X-2109-296-1 | | MSS1 SUBASSY LCD HOUSING (WHITE) |
| 63 | 2-546-200-01 | | MS01 LCD HOOK |
| 64 | 1-963-755-41 | | MSS1 LCD CABLE for 1 LAMP LCD |
| 65 | X-2050-578-1 | | MS01 SUBASSY LCD BEZEL |
| 67 | 2-546-209-01 | & | MS01 LCD RUBBER ROUND |
| 68 | 2-587-393-01 | & | MS01 LCD RUBBER ROUND DOWN |
| 70 | 2-546-203-01 | | MS01 HINGE LEFT |
| 71 | 2-546-204-01 | | MS01 HINGE RIGHT |
| 72 | 2-658-471-01 | | MS01 HINGE RUBBER |
| 74 | 2-658-470-01 | | MS01 LCD AL FOIL 15*40*0.15 |
| B1 | 4-654-811-01 | | SCREW, M3 |
| B4 | 4-645-214-61 | | GRIP, M2 |

* : CTO Model

| | Ref.No. | Part No. | Description | AM FS940 | AM FS920 | AM FS930F | EU FS485B |
|---|---|---|---|---|---|---|---|
| | 61 | A-1185-944-A | MSS1 ASSY LCD (QDI 15.4"WXGA 1 LAMP EEBR)(W) | | | | • |
| 2 [DEL] | 61 | ~~A-1185-945-A~~ | ~~MSS1 ASSY LCD (CPT 15.4"WXGA 1 LAMP EEBR)(W)~~ | ~~•~~ | ~~•~~ | ~~•~~ | |
| 1 [ADD] | 61 | A-1197-512-A (*1) | MSS1 ASSY LCD (CPT 15.4"WXGA 1 lamp EEBR)(W) | • | • | • | |
| 2 [ADD] | 66 | 1-443-890-11 (*1) | INVERTER Tamura For 1 LAMP LCD | • | • | • | • |
| 2 [DEL] | 66 | ~~1-443-887-11~~ | ~~INVERTER NEC-Tokin For 1 LAMP LCD~~ | ~~•~~ | ~~•~~ | ~~•~~ | ~~•~~ |
| | 69 | 2-680-971-01 | LABEL ID(U) | • | | | |
| | 69 | 2-680-971-11 | LABEL ID(U) | | • | | |
| | 69 | 2-680-972-01 | LABEL ID (LA) | | | • | |
| | 69 | 2-680-973-01 | LABEL ID (E) | | | | • |

Note : (*1): A-1197-512-A of LCD accepts only 1-443-890-11 of Inverter.



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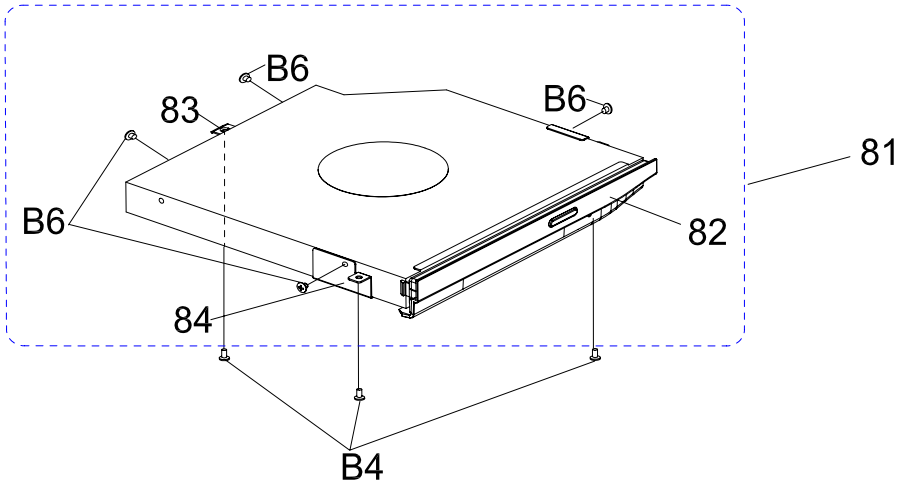
# D-1.ODD



| Ref.No. | Part No. | Description |
|---|---|---|
| 81 | A-1185-946-A | MSS1 ASSY ODD SONY DVD+/-RW DL(W) |
| 82 | X-2109-297-1 | MSS1 SUBASSY ODD BEZEL SONY(W) |
| 83 | 2-546-291-01 | MS02 ODD BRACKET BACK |
| 84 | 2-546-292-01 | MS02 ODD BRACKET FRONT |
| B4 | 4-645-214-61 | GRIP, M2 |
| B6 | 4-671-538-01 | SCREW, SPECIAL HEAD |



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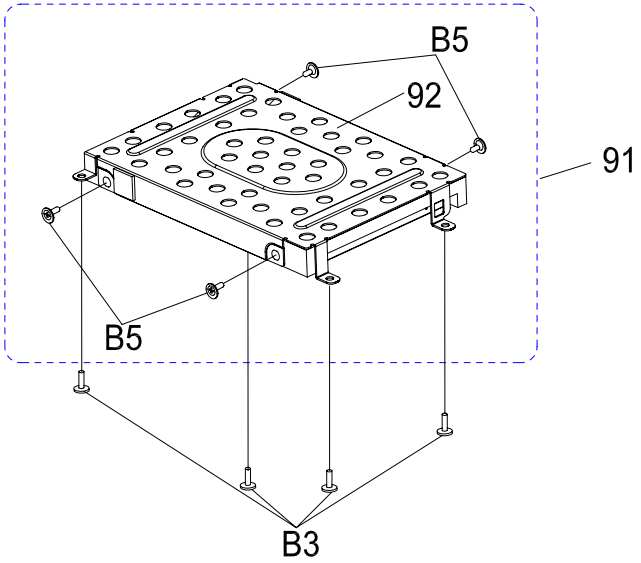
# H-1.HDD



| Ref.No. | Part No. | Description |
|---|---|---|
| 92 | A-1092-487-A | MS01 SUBASSY HDD BRACKET |
| B3 | 2-590-600-01 | SCREW (M2), EXTERIOR VIEW |
| B5 | 4-673-018-02 | SCREW, SPECIAL HEAD |




*: CTO Model

| Ref.No. | Part No. | Description | AM | | | EU |
|---|---|---|---|---|---|---|
| | | | FS940 | FS920 | FS930F | FS485B |
| 91 | A-1152-196-A | MS03 ASSY HDD 100GB(FJ) | • | | | |
| | A-1152-198-A | MS03 ASSY HDD 80GB(FJ) | | • | • | • |

# A-1. ACCESSORIES



2005
Power Cord

2006
AC Adapter

2007
Battery Pack

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# A-1.ACCESSORIES



＊: CTO Model

| Ref.No. | Part No. | | Description | AM FS940 | AM FS920 | AM FS930F | EU FS485B |
|---|---|---|---|---|---|---|---|
| ⚠ 2005 | 1-829-237-21 | & | POWER CORD For U (Silvine) | • | • | • | |
| ⚠ | 1-827-946-31 | & | POWER CORD For E (GB) (Silvine) | | | | • |
| ⚠ | 1-827-481-21 | & | POWER CORD For E (non GB) (Silvine) | | | | • |
| ⚠ 2006 | 1-479-114-51 | | AC ADAPTOR VGP-AC19V10 (Delta) | | | • | |
| ⚠ | 1-479-116-31 | | AC ADAPTOR VGP-AC19V11 (NJRC) | • | • | | • |
| ⚠ 2007 | A-1114-326-A | | BATTERY 9139 ASSY MAIN BP FOR US | • | • | | |
| ⚠ | 1-756-531-51 | | BATTERY PACK VGP-BPS2A, LITHIUMION FOR EU/AP/CH | | | • | • |
| 2010 | 1-816-429-12 | | PHONE PLUG (GB only ) | | | | • |
| - | 2-668-578-11 | & | WELCOME MAT, 3670 (U)(C ) | • | • | • | |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



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# T-1. SUBSTITUTION PARTS LIST



NOTE:

Please order below substitution parts if the parts with the same Ref. No. in page 4-2 to 4-15 is not available.

* : CTO Model

| | Ref.No. | Part No. | Description | AM FS940 | AM FS920 | AM FS930F | EU FS485B |
|---|---|---|---|---|---|---|---|
| | 25 | 6-708-619-01 | RAM Elpida 512MB | • | • | • | • |
| | | 6-709-227-01 | RAM Hynix 512MB | • | • | • | • |
| | 29 | 2-684-922-01 | MS04 NORTHBRIDGE THERMAL PAD | • | • | • | • |
| | 61 | A-1185-944-A | MSS1 ASSY LCD (QDI 15.4"WXGA 1 LAMP EEBR)(W) | • | • | • | |
| ⚠2 [ADD] | | A-1185-945-A (*2) | MSS1 ASSY LCD (CPT 15.4"WXGA 1 LAMP EEBR)(W) | • | • | • | • |
| ⚠2 [ADD] | 66 | 1-443-887-11 | INVERTER NEC-Tokin For 1 LAMP LCD | • | • | • | • |
| | | 1-443-887-21 | INVERTER NEC-Tokin For 1 LAMP LCD | • | • | • | • |
| | 81 | A-1185-947-A | MSS1 ASSY ODD Pioneer DVD+/-RW DL(W) | • | • | • | • |
| | | A-1185-948-A | MSS1 ASSY ODD Pioneer DVD+/-RW DL(W) | • | • | • | • |
| | | A-1185-949-A | MSS1 ASSY ODD PANA DVD+/-RW DL(W) | • | • | • | • |
| | 91 | A-1152-197-A | MS03 ASSY HDD 100GB(HGST) | • | | | |
| | | A-1127-961-A | MS02 ASSY HDD 100GB(TO) | • | | | |
| | | A-1178-764-A | MS04 ASSY HDD 100GB(HGST) | • | | | |
| | | A-1192-990-A | MS04 ASSY HDD 100GB(SG) | • | | | |
| | | A-1152-199-A | MS03 ASSY HDD 80GB(HGST) | | • | • | • |
| | | A-1108-905-A | MS01 ASSY HDD 80G(TO) | | • | • | • |
| | | A-1177-908-A | MS04 ASSY HDD 80G(HGST) | | • | • | • |
| | | A-1192-991-A | MS04 ASSY HDD 80GB(SG) | | • | • | • |
| ⚠ | 2005 | 1-829-810-31 & | POWER CORD FOR U | • | • | • | |
| ⚠ | | 1-823-935-61 & | POWER CORD For E (GB) | | | | • |
| ⚠ | | 1-824-910-41 & | POWER CORD For E (non GB) | | | | • |
| ⚠ | 2006 | 1-479-114-51 | AC-Adaptor Sony VGP-AC19V10 (Delta) | • | • | | • |
| ⚠3 [ADD] | ⚠ | 1-479-114-61 | AC-Adaptor Sony VGP-AC19V10 (Delta) | • | • | • | • |

Note : (*2): A-1185-945-A of LCD does not accepts 1-443-890-11 of Inverter.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



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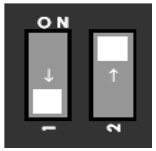
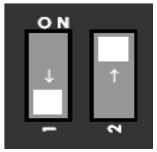
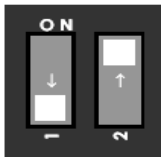
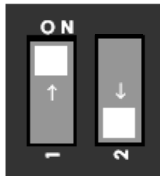
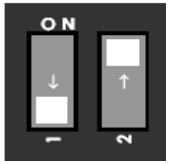
# DIP Switch

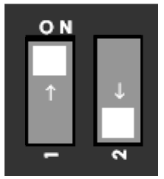
The DIP switch setting is following table.

| | | | |
|---|---|---|---|
| AM | VGN-FS940<br>  | VGN-FS920<br>  | VGN-FS930F<br>  |
| EU | VGN-FS485B<br>  | | |

15.4inch WXGA(CPT)




15.4inch WXGA(QDI)



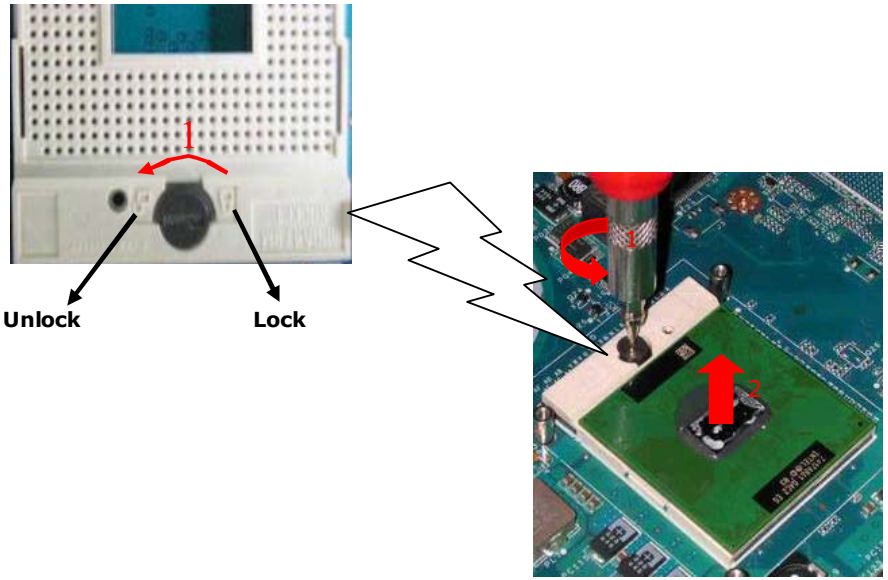

The DIP switch setting is different depending the types of LCD.
Set the DIP switch of CTO model in accordance with the [FOR CTO MODEL].

# CHAPTER 5.
# OTHERS

## 5-1.Replacing the CPU

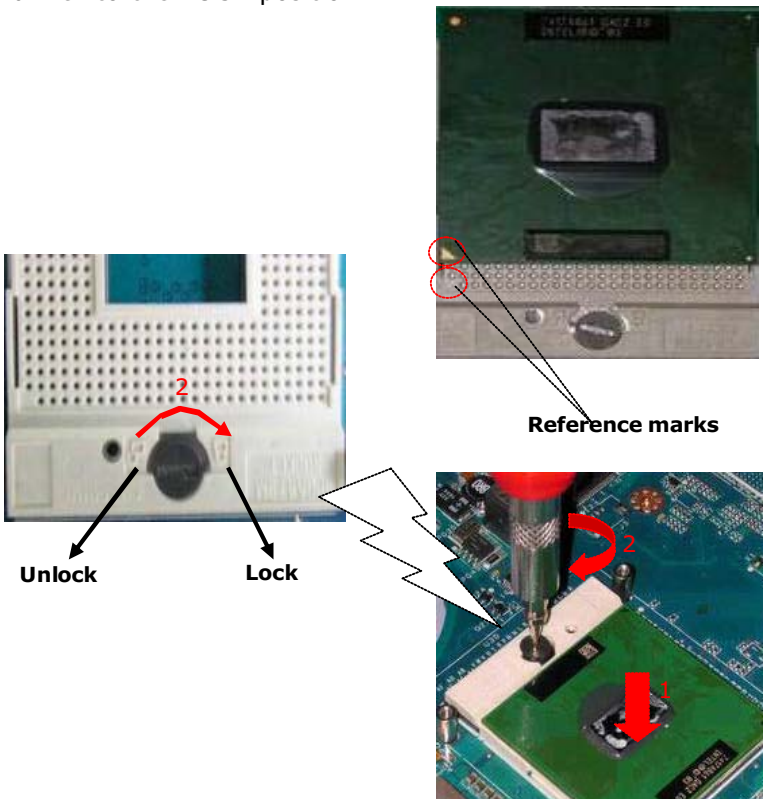
### *1*. Removing the CPU

1. Insert a flat-blade screwdriver into the notch as shown illustration and rotate it so that the protrusion comes to the lock release position.
2. Pull the CPU gently upward to lift it out of the CPU socket




### *2*. Installing the CPU

1. Align the triangle reference mark of the mark the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
2. Insert the flat head (-) screwdriver into the specified position and rotate th screwdriver to the LOCK position.



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# 5-2. Wiring the W-LAN Cable

* The MS02 PWA ANTENNA is installed also in the models without Wireless LAN.
  Refer to the instruction below to see how to wire the CABLE.

Using KAPTION TAPE to secure the Cable.



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VGN- FS940/FS920/FS930F (AM)
VGN- FS485B (EU)

## List of VGN-F Series (As of March, 2007 )

| Service Manual Part No. | Model Name | | | |
|---|---|---|---|---|
| | J | AM | EU | AO |
| 9-876-414-XX | VGN-FS70B VGN-FS20<br>VGN-FS50B VGN-FS90PS *<br>VGN-FS30B VGN-FS90S * | VGN-FS570 VGN-FS540P VGN-FS500 * VGN-FS550F<br>VGN-FS550 VGN-FS530B VGN-FS500P *<br>VGN-FS550P VGN-FS520B VGN-FS500B * | VGN-FS195XP VGN-FS115M VGN-FS115B<br>VGN-FS115Z VGN-FS115E VGN-FS115ZR<br>VGN-FS115S VGN-FS195VP VGN-FS115MR | VGN-FS18CP VGN-FS18SP VGN-FS15GP VGN-FS15TP<br>VGN-FS15C VGN-FS18LP VGN-FS15SP<br>VGN-FS18GP VGN-FS18TP VGN-FS15LP |
| 9-876-425-XX | VGN-FS71B VGN-FS21<br>VGN-FS51B VGN-FS91PS *<br>VGN-FS31B VGN-FS91PSY *<br>VGN-FS21B VGN-FS91S * | VGN-FS680 VGN-FS635B VGN-FS630F VGN-FS610FP VGN-FS690B *<br>VGN-FS660P VGN-FS625B VGN-FS615F VGN-FS690 *<br>VGN-FS660 VGN-FS645P VGN-FS640Q VGN-FS620<br>VGN-FS640 VGN-FS670FG VGN-FS655FP VGN-FS630<br>VGN-FS675P VGN-FS650F VGN-FS640FP VGN-FS690P * | VGN-FS295XP VGN-FS215E VGN-FS285E<br>VGN-FS215Z VGN-FS215SR VGN-FS215S<br>VGN-FS215M VGN-FS215MR VGN-FS285H<br>VGN-FS295VP VGN-FS285M<br>VGN-FS215B VGN-FS285B | VGN-FS28C VGN-FS28TP<br>VGN-FS25C VGN-FS25GP<br>VGN-FS28GP VGN-FS25SP<br>VGN-FS28SP VGN-FS25LP<br>VGN-FS28LP VGN-FS25TP |
| 9-876-443-XX | VGN-FS52B VGN-FS92S<br>VGN-FS22B VGN-FS92PS *<br>VGN-FS32B VGN-FS92S *<br>VGN-FS22VB | VGN-FS780 VGN-FS770 VGN-FS770F VGN-FS710FP VGN-FS790BH *<br>VGN-FS760 VGN-FS750P VGN-FS750F VGN-FS760Q<br>VGN-FS740 VGN-FS730 VGN-FS730F VGN-FS740Q<br>VGN-FS720 VGN-FS715 VGN-FS715F VGN- FS790P *<br>VGN-FS775P VGN-FS742 VGN-FS755FP VGN-FS790B *<br>VGN-FS745P VGN-FS710 VGN-FS740FP VGN-FS790 * | VGN-FS315Z VGN-FS315SR<br>VGN-FS395VP VGN-FS315MR<br>VGN-FS315M VGN-FS315H<br>VGN-FS315B VGN-FS315S<br>VGN-FS315E | VGN-FS38C VGN-FS38TP<br>VGN-FS35C VGN-FS35GP<br>VGN-FS38GP VGN-FS35SP<br>VGN-FS38SP VGN-FS35LP<br>VGN-FS38LP VGN-FS35TP |
| 9-876-449-XX | VGN-FS53B<br>VGN-FS33B<br>VGN-FS23B | VGN-FS850P VGN-FS810 VGN-FS812F VGN-FS8900 *<br>VGN-FS850 VGN-FS875P VGN-FS850Q<br>VGN-FS840 VGN-FS815F VGN-FS830Q<br>VGN-FS830 VGN-FS810FP VGN-FS8900P * | VGN-FS495VP VGN-FS415S<br>VGN-FS415M VGN-FS415B<br>VGN-FS415E<br>VGN-FS415MR | VGN-FS48C<br>VGN-FS48GP<br>VGN-FS48SP<br>VGN-FS48L |
| 9-876-464-XX | | VGN-FS940 VGN-FS920 VGN-FS930F | VGN-FS485B | |

***: CTO Model**

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| Suffix | Ver. | Date | Contents | QM No. |
|---|---|---|---|---|
| -01 | Ver.1 | 2006.02.24 | First Edition | |
| -02 | Ver.2 | 2006.04.03 | △1 Page4-6,Page4-11 | N2006_066CK |
| -03 | Ver.3 | 2006.07.04 | △2 Page4-11,Page4-16 | N2006_086CK |
| -04 | Ver.4 | 2006.11.01 | △3 Page4-16 | N2006_184CK |
| -05 | Ver.5 | 2007.03.14 | △4 Page4-7, Page4-8 | |
| | | | | |
| <Remarks> | | | | |



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